

**Plant Guide to Bright Angel Trail**

3.55 r	ANA	simple-leaved basketbush	<i>Rhus trilobata</i> var. <i>simplicifolia</i>	2 / 2
3.62		Switchback right; CP #30, elevation 4255 feet (1297 m)		
3.62 r 123 ~	AST	<a href="#">resin brittlebush</a>	<i>Encelia resinifera</i> ssp. <i>resinifera</i>	20 / 5
3.65 r 124 ~	AST	<a href="#">rush rabbitbrush</a>	<i>Ericameria nauseosa</i> var. <i>junceae</i>	/
3.65 l 125 ~	EUP	western bernardia	<i>Bernardia incana</i>	3 / 2
3.69		Long switchback left, cross good-sized side drainage; CP #31, elevation 4208 feet (1283 m); enter Muav Limestone, thickness 375 feet here. Below here, the trail is mostly on alluvial deposits, and the Muav Limestone and the Bright Angel Shale, thickness 350 feet, are not evident.		
3.69 l		(Check for different needlegrass, <i>Achnatherum</i> sp.)		
3.69 l 126	PAP	<a href="#">Roaring Springs prickly-poppy</a>	<i>Argemone arizonica</i>	1 / 1
3.70 l		Check these plants to see if they are young fourwing saltbush, same as the next species		
3.73 r 127	CHE	fourwing saltbush	<i>Atriplex canescens</i>	1 / 1
3.73 r 128 sp	POA	needlegrass?	<i>Achnatherum</i> ( <i>scribneri</i> ?)	5 / 1
3.73 r 129	POL	desert trumpet	<i>Eriogonum inflatum</i>	3 / 1
3.92		End plant trail guide; following are just landmarks to Indian Gardens		
4.09		Cross creekbed, with high-pressure water pipe elevated on left; CP #32, elevation 4093 feet (1248 m)		
4.12		Curve left 90°, cross streambed, then turn right 90°; CP #33, elevation 4029 feet (1228 m)		
4.36		Switchback right (only ~90°)		
4.40		Cross creekbed; CP #34, elevation 3884 feet (1184 m)		
4.41		Sign: "Indian Gardens" (arrow pointing downhill)		
		Sign: "The plants you see here are the living desert. They grow by the inch and die by the foot".		
		Additional species from a plant list for Upper Bright Angel Trail provided by Lori Makarick:		
	PAP	prickly poppy	<i>Argemone munita</i>	/
	POL	longleaf phlox	<i>Phlox longifolia</i>	/
	ROS	interior rose	<i>Rosa woodsii</i> var. <i>ultramontana</i>	/

http://tchester.org/gc/plants/guides/bright\_angel\_down.html  
 Updated 21 April 2009.

Mile S	#	id?	FAM	(*)Common Name	Scientific Name	#Plants
					Begin guide at <a href="#">signed Trailhead</a> north of West Rim Drive bus stop, north of the mule corral; CP "S. Rim", elevation 6845 feet (2086 m), in Kaibab Limestone, thickness 350 feet here	
0.00						
0.00	b 1		PIN	<a href="#">two-needle pinyon pine</a>	<i>Pinus edulis</i>	50 / 9
0.00	b 2		GRO	<a href="#">desert gooseberry</a>	<i>Ribes velutinum</i>	99 / 9
0.00	b 3		GRO	<a href="#">whisky currant</a>	<i>Ribes cereum</i> var. <i>pedicellare</i>	99 / 9
0.00	b 4		AST	<a href="#">hoary-aster</a>	<i>Machaeranthera canescens</i>	50 / 9
0.00	b 5		BRA	<a href="#">Wright's thelypody</a>	<i>Thelypodium wrightii</i>	10 / 3
0.00	r 6		MAL	* <a href="#">common mallow</a>	<i>Malva neglecta</i>	10 / 2
0.00	r 7		POA	* <a href="#">downy brome</a>	<i>Bromus tectorum</i>	99 / 9
0.00	r 8		FAG	<a href="#">Gambel oak</a>	<i>Quercus gambelii</i>	50 / 9
0.00	r 9		NYC	<a href="#">smooth spreading four o'clock</a>	<i>Mirabilis oxybaphoides</i>	50 / 9
0.00	r 10		POL	* <a href="#">knotweed</a>	<i>Polygonum arenastrum</i>	2 / 2
0.00	r 11		BRA	<a href="#">smooth western tansy-mustard</a>	<i>Descurainia pinnata</i> ssp. <i>glabra</i>	99 / 9
0.00	r 12		BRA	*crossflower	<i>Chorispora tenella</i>	99 / 9
0.00	r 13		BRA	<a href="#">common pepper-grass</a>	<i>Lepidium densiflorum</i>	5 / 1
0.00	r			(AST silver wormwood?, <i>Artemisia ludoviciana</i> ?, with entire leaves)		
0.00	l			<a href="#">(AST threadleaf common rabbitbrush, <i>Ericameria nauseosa</i> var. <i>oreophila</i>)</a>		
0.00	r 14 ~		CAP	<a href="#">snowberry</a>	<i>Symphoricarpos oreophilus</i>	99 / 9
0.00	r 15		BRA	perennial rock-cress	<i>Arabis perennans</i>	40 / 9
0.00	r 16		RAN	* <a href="#">curviseed butterwort</a>	<i>Ceratocephala testiculata</i>	99 / 9
0.00	b 17		AMA	<a href="#">Powell's amaranth</a>	<i>Amaranthus powellii</i>	20 / 2
0.00	r 18		ROS	<a href="#">Utah service-berry</a>	<i>Amelanchier utahensis</i>	99 / 9
0.00	l 19		CUP	<a href="#">Utah juniper</a>	<i>Juniperus osteosperma</i>	20 / 9
0.01	r			Sign: "Mesozoic Rock Formations / Kaibab Limestone"		
0.02	b 20		AST	<a href="#">threadleaf common rabbitbrush</a>	<i>Ericameria nauseosa</i> var. <i>oreophila</i>	50 / 9
0.02	b 21		CHE	* <a href="#">tumbling oracle</a>	<i>Atriplex rosea</i>	40 / 2
0.02	l 22		LAM	* <a href="#">horehound</a>	<i>Marrubium vulgare</i>	20 / 5
0.03	l 23		ROS	<a href="#">fern bush</a>	<i>Chamaebatiaria millefolium</i>	10 / 9
0.03	r			(MAL littleleaf globe mallow, <i>Sphaeralcea parvifolia</i> )		
0.03	r 24		POA	* <a href="#">foxtail barley</a>	<i>Hordeum murinum</i>	99 / 9
0.04	r 25		BRA	*Klamath pepper-grass	<i>Lepidium perfoliatum</i>	2 / 2
0.04	r			Jct. path from Kolb Studio		

0.04 l 26	AST	<a href="#">California brickellbush</a>	<i>Brickellia californica</i>	99 / 9	2.77 l 116	AST	Mojave woodyaster	<i>Xylorhiza tortifolia</i>	20 / 9
0.05 l 27	~ AMA	* <a href="#">tumble pigweed</a>	<i>Amaranthus albus</i>	5 / 2	2.77		Curve right 90°.		
0.05 r 28	POA	<a href="#">slender wheatgrass</a>	<i>Elymus trachycaulus</i>	50 / 9	2.78		Switchback left, CP #25, elevation 4897 feet (1493 m)		
0.05 r 29	POA	squirreltail	<i>Elymus elymoides</i>	30 / 9	2.84		Switchback right at drainage; CP #26, elevation 4855 feet (1480 m)		
0.05 r 30	LAM	* <a href="#">catnip</a>	<i>Nepeta cataria</i>	20 / 3			Check for <i>Argemone munita</i> vouchered from "4800 feet" here		
0.05 r 31	SCR	Palmer's penstemon	<i>Penstemon palmeri</i>	10 / 2	2.90		Curve right 90°.		
0.05 r 32	AST	<a href="#">silver wormwood</a>	<i>Artemisia ludoviciana</i>	99 / 9	2.90 r 117	FAB	Torrey's milkvetch	<i>Astragalus calycosus</i>	10 / 1
0.05 r 33	VIT	<a href="#">Virginia creeper</a>	<i>Parthenocissus vitacea</i>	1 / 1	2.91 r 118	FAB	<a href="#">bush peavine</a>	<i>Lathyrus brachycalyx</i> <i>ssp. zionis</i>	2 / 1
0.05 r		Sign: "Bright Angel Trail and Grand Canyon Information"			2.95		Curve left 90°.		
0.05 r 34	AST	<a href="#">Arizona thistle</a>	<i>Cirsium arizonicum var. nidulum</i>	30 / 9	3.01		Jct. short path to 3 mile Resthouse; CP "(3 mile) Resthouse", elevation 4733 feet (1443 m)		
0.05		Switchback left			3.03		Switchback left.		
0.06 r 35	BRA	* <a href="#">London rocket</a>	<i>Sisymbrium irio</i>	10 / 3	3.07 r		(three-spine hedgehog cactus, <i>Echinocereus triglochidiatus</i> )		
0.08 r		Sign: "When mules pass"			3.07 l 119	ULM	netleaf hackberry	<i>Celtis laevigata var. reticulata</i>	1 / 1
0.08 r 36	CHE	Fremont's goosefoot	<i>Chenopodium fremontii</i>	20 / 5	3.09		Switchback right; CP #27, elevation 4663 feet (1422 m); enter Redwall Limestone, thickness 450 feet here		
0.08 r		(POA mutton grass, <i>Poa fendleriana</i> )			3.12 r 120	BRA	rose bladderpod	<i>Lesquerella purpurea</i>	30 / 7
0.09 l 37	AST	<a href="#">Grand Canyon rock-daisy</a>	<i>Perityle congesta</i>	50 / 9	3.13		Switchback left.		
0.12 l 38	AST	<a href="#">Grand Canyon Goldenweed</a>	<i>Ericameria arizonica</i>	20 / 8	3.15		Switchback right.		
0.13		(View ahead of bonsai Ponderosa Pine, <i>Pinus ponderosa</i> , and two-needle pinyon pine, <i>Pinus edulis</i> , on top of ridge with tunnel)			3.16		Switchback left.		
0.14 r		( <a href="#">RUT pallid hoptree</a> , <i>Ptelea trifoliata ssp. pallida var. pallida</i> )			3.21		Switchback right.		
0.15 r 39	AST	<a href="#">big sagebrush</a>	<i>Artemisia tridentata</i>	30 / 9	3.22		Curve right 90°.		
0.15 r		(BER creeping barberry, <i>Mahonia repens</i> )			3.23		Switchback left.		
0.15		First Tunnel			3.26		Curve left 90°.		
0.15 r		(EPH green ephedra, <i>Ephedra viridis</i> ; AGA Kaibab century plant, <i>Agave utahensis var. kaibabensis</i> )			3.29		Switchback right at the closest part of the trail to the "Petrified Snow" (caused by falling rocks chipping off the red coat on the Redwall Limestone due to the Supai Group above, exposing the natural gray/white color). CP #28, 4512 feet (1375 m)		
0.16 l 40	SCR	beardtongue	<i>Penstemon barbatus</i>	10 / 5	3.30 l 121	AST	wire-lettuce	<i>Stephanomeria pauciflora</i>	/
0.16 b 41	AST	<a href="#">beautiful aster</a>	<i>Eurybia pulchra</i>	99 / 9	3.32		Curve right 90°.		
0.16 l 42	POA	mutton grass	<i>Poa fendleriana</i>	99 / 9	3.34		Switchback left.		
0.16 l 43	RAN	<a href="#">Fendler's meadow-rue</a>	<i>Thalictrum fendleri</i>	10 / 9	3.36		Curve left 90°.		
0.16 r 44	BOR	flatspine stickseed	<i>Lappula occidentalis var. occidentalis</i>	30 / 9	3.38		Switchback right.		
0.17 l 45	RUB	Wright's bedstraw	<i>Galium wrightii</i>	1 / 1	3.40		Curve right 90°.		
0.17 r 46	CHE	*Russian thistle	<i>Salsola tragus</i>	20 / 2	3.41		Switchback left.		
0.20 l 47	AST	<a href="#">fragrant snakeroot</a>	<i>Ageratina herbacea</i>	30 / 5	3.44		Switchback right; CP #29, elevation 4396 feet (1340 m)		
0.21 r		( <a href="#">CAC Mojave prickly-pear</a> , <i>Opuntia erinacea</i> )			3.45		Trail curves left 90° and crosses small drainage		
0.23 r		Sign: "Do not attempt to hike to the bottom and back in one day..."			3.45		<b>Rest of guide not yet updated from 5/6/08 fieldwork</b>		
0.23		Switchback left at ridge, then S curve in trail			3.50		Enter Temple Butte Limestone; thickness 35 feet here		
0.23 r 48	BRA	shepherd's purse	<i>Capsella bursa-pastoris</i>	10 / 3	3.52 l 122	POA	side-oats grama	<i>Buteloua curtipendula</i>	50 / 9
0.25 l		(banana yucca, <i>Yucca baccata</i> )							
0.26 r 49	BER	creeping barberry	<i>Mahonia repens</i>	10 / 5					
0.28 r		( <a href="#">ROS Apache plume</a> , <i>Fallugia paradoxa</i> )							



0.59 r		<a href="#">(BRA wild candytuft, <i>Thlaspi montanum</i> var. <i>fendleri</i>)</a>			1.24	Switchback right; CP #7, elevation 5946 feet (1812 m)		
0.60 l 73	~	CAP blueberry elder	<i>Sambucus glauca</i>	1 / 1	1.27	Cross drainage		
0.62 r 74		PIN Rocky Mountain Douglas fir	<i>Pseudotsuga menziesii</i> var. <i>glauca</i>	10 / 3	1.27 r	<i>Ribes leptanthum</i> and <i>R. velutinum</i> side by side.		
0.63 l		(SCR common mullein, <i>Verbascum thapsus</i> )			1.27 r 85	POR <a href="#">narrow-leaved miner's lettuce</a>	<i>Claytonia parviflora</i> ssp. <i>utahensis</i>	99 / 9
0.63 r 75		FUM <a href="#">scrambled eggs</a>	<i>Corydalis aurea</i>	5 / 2	1.30	Switchback left; CP #8, elevation 5900 feet (1798 m)		
0.64 r 76		POL <a href="#">southern mountain phlox</a>	<i>Phlox austromontana</i>	2 / 2	1.30 r	Jct. use path		
0.70 l		Jct. use path			1.31	Switchback right.		
0.71 l		Jct. use path			1.33 r 86	RAN barestem larkspur	<i>Delphinium scaposum</i>	10 / 4
0.71 l 77		VIS pinyon pine dwarf-mistletoe	<i>Arceuthobium</i> <i>divaricatum</i>	1 / 1	1.35 r	Jct. use path		
0.72 r		Kolb Seep Springs			1.35 r 87	RAN virgin's bower	<i>Clematis ligusticifolia</i>	2 / 1
0.72 r	sp	(CAR sedge, <i>Carex</i> sp.)			1.42 l 88 ?	POA western wheatgrass?	<i>Pascopyrum smithii?</i>	3 / 1
0.73		Switchback left; CP #2, elevation 6364 feet (1940 m)			1.47 r 89	OLE fragrant ash	<i>Fraxinus cuspidata</i>	30 / 9
0.76 r 78		RUT <a href="#">pallid hoptree</a>	<i>Ptelea trifoliata</i> ssp. <i>pallida</i> var. <i>pallida</i>	50 / 9	1.48	Trail bends right 90°; CP #9, elevation 5780 feet (1762 m)		
0.80 l 79		ROS rock whitefeather	<i>Ivesia arizonica</i>	5 / 1	1.51 r 90	MAL gooseberryleaf globemallow	<i>Sphaeralcea</i> <i>grossulariifolia</i>	50 / 9
0.86 l 80		BET Knowlton hop hornbeam	<i>Ostrya knowltonii</i>	30 / 9	1.53 l	<a href="#">(AGA closest Kaibab century plant, <i>Agave utahensis</i> var. <i>kaibabensis</i>)</a>		
0.87		Second Tunnel, through hardened Bright Angel Fault, CP "Tunnel (#2)", elevation 6248 feet (1904 m). Cross into Coconino Sandstone, thickness 350 feet here			1.54 r	<a href="#">(SEL spike-moss, <i>Selaginella mutica</i>)</a>		
0.89 l		Grand Canyon rock-daisy, <i>Perityle congesta</i> , with ovate leaves (earlier plants had narrowly-elliptic leaves)			1.55	Trail curves right at ridge		
0.90		Switchback right; CP #3, elevation 6218 feet (1895 m). Begin series of short switchbacks			1.56 r 91	SCR Eaton's penstemon	<i>Penstemon eatonii</i>	20 / 9
0.90 l		(RAN virgin's bower, <i>Clematis ligusticifolia</i> ; OLE birchleaf buckthorn, <i>Frangula betulifolia</i> ssp. <i>obovata</i> , in distance)			1.57 r 92	AST tidy fleabane	<i>Erigeron concinnus</i>	50 / 9
0.96		Switchback left			1.58 r 93	BRA wallflower	<i>Erysimum capitatum</i> var. <i>purshii</i>	5 / 3
0.98 l 81		RHA birchleaf buckthorn	<i>Frangula betulifolia</i> ssp. <i>obovata</i>	2 / 2		Check for <i>Argemone arizonica</i> "above and below trail here"		
0.98		Switchback right; CP #4, elevation 6153 feet (1875 m)			1.58 r	1.5 mile Resthouse; CP "(1.5 mile) resthouse", elevation 5714 feet (1742 m)		
0.98 l		<a href="#">(AGA Kaibab century plant, <i>Agave utahensis</i> var. <i>kaibabensis</i>)</a>			1.58 r 94	western redbud	<i>Cercis orbiculata</i>	1 / 1
1.01		Trail curves right 90°.			1.59	Cross drainage		
1.01 l 82	~	AST pungent rabbitbrush	<i>Ericameria nauseosa</i> var. <i>graveolens</i>	1 / 1	1.60 r 95	CAC Mojave prickly-pear	<i>Opuntia erinacea</i>	3 / 3
1.05		Switchback left			1.62 r	Jct. short trail to the 1.5 mile restrooms; switchback left; CP #10, elevation 5692 feet (1735 m)		
1.08		Switchback right; CP #5, elevation 6073 feet (1851 m); cross into Hermit Shale, thickness 300 feet here, just below this point			1.64 l	Check id of this plant; <i>Fendleriella</i> ?		
1.12 b 83		GRO <a href="#">trumpet gooseberry</a>	<i>Ribes leptanthum</i>	50 / 9	1.64	Cross drainage again		
1.12		Switchback left			1.64 l 96	SCR common mullein	<i>Verbascum thapsus</i>	2 / 1
1.16		Switchback right; CP #6, elevation 6007 feet (1831 m)			1.67 l	~ (CRO spiny greasebush, <i>Glossopetalon spinescens</i> var. <i>aridum</i> )		
1.17 r 84		ANA skunkbush with nearly entire leaf	<i>Rhus trilobata</i>	20 / 6	1.68	Cross into Supai Group, thickness 950 feet here		
1.17 r		Check for <i>Thelypodium integrifolium</i> (sepals erect in bloom, not spreading)			1.70	Trail curves left 90°; CP #11, elevation 5644 feet (1720 m)		
1.20		Switchback left.			1.70 l 97	CRO spiny greasebush	<i>Glossopetalon</i> <i>spinescens</i> var. <i>aridum</i>	20 / 9
					1.71 r 98	AST longleaf brickellbush	<i>Brickellia longifolia</i>	99 / 9
					1.75 r	Check for different prickly-pear		
					1.77	"Shade View" - overhanging boulders giving shade with a great view.		
					1.80	Trail curves left 90°; CP #12, elevation 5582 feet (1701 m)		
					1.81 l 99	SEL <a href="#">spike-moss</a>	<i>Selaginella mutica</i>	1 / 1